

Converting Colors

$Y_{xy}(40.2981, 0.4187, 0.5336)$

Have a look what the booklet for
Yxy(40.2981, 0.4187, 0.5336)
contains.

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Color

Yxy(40.4557, 0.4077, 0.5145)

Conversions

Conversions Part 1

Format	Color
Hex	A7B300
RGB	167, 179, 0
RGB Percent	65%, 70%, 0%
CMY	0.3451, 0.2980, 1.0000
CMYK	0.07, 0.00, 1.00, 0.30
HSL	64°, 100%, 35%
HSV	64°, 100%, 70%
XYZ	32.0579, 40.4557, 6.1175
YIQ	155.0060, 50.3070, -58.2130

Conversions

Conversions Part 2

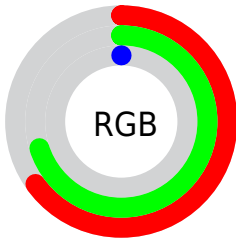
Format	Color
RYB	0, 179, 12
Decimal	10990336
CIELab	69.79, -21.75, 71.32
CIELCh	70, 74.561, 106.962
Yxy	40.4557, 0.4077, 0.5145
Android (android.graphics.Color)	4289180416 (0xFFA7B300)
YUV	155.0060, -76.4180, 10.5187
Hunter-Lab	63.6048, -21.3414, 38.8209

Details

The Yxy color **40.4557, 0.4077, 0.5145** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.3329, 0.1521, 0.0612**, and the grayscale version is **33.1112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1355, 0.3973, 0.4843**, and **18.4937, 0.3967, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **40.4577, 0.4077, 0.5145**, and if you desaturate by 10%, it is **40.6322, 0.4065, 0.5095**.

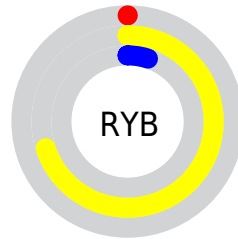
Distribution



Red (65%)

Green (70%)

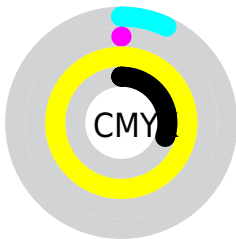
Blue (0%)



Red (0%)

Yellow (70%)

Blue (5%)

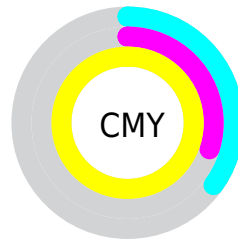


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (35%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4557, 0.4077, 0.5145 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.4557, 0.4077, 0.5145 by changing the saturation by 10% instead.


 40.4557, 0.4077,
0.5145


 40.4557, 0.4077,
0.5145


348.0406, 0.3694,
0.4241

 27.8940, 0.4122,
0.5333


 75.8569, 0.3972,
0.4838


 18.2458, 0.4147,
0.5544


 99.4653, 0.3921,
0.4715

 11.1266, 0.4170,
0.5830


 127.5247, 0.3874,
0.4609

 6.1520, 0.4011,
0.5989

 160.4194, 0.3831,
0.4516

 2.9378, 0.3760,
0.6240

 198.5340, 0.3792,
0.4434

 1.0993, 0.3124,
0.6876

 242.2528, 0.3756,

 0.0000, 0.0000,

0.4362

0.0000

291.9602, 0.3723,
0.4298

■ 40.4557, 0.4077,
0.5145

■ 40.4557, 0.4077,
0.5145

■ 40.4577, 0.4077,
0.5145

■ 40.6322, 0.4065,
0.5095

■ 40.8475, 0.4033,
0.5010

■ 41.1185, 0.3976,
0.4882

■ 41.4526, 0.3894,
0.4713

■ 41.8557, 0.3790,
0.4509

■ 42.3333, 0.3670,
0.4280

■ 42.8903, 0.3538,
0.4035

■ 43.5310, 0.3401,
0.3783

■ 44.2595, 0.3263,
0.3533

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.4557, 0.4871, 0.4485



40.4557, 0.4077, 0.5145



40.4557, 0.3106, 0.5273

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.4557, 0.4077, 0.5145



40.4557, 0.1386, 0.2273



40.4557, 0.3940, 0.2420

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.4557, 0.4077, 0.5145



3.3329, 0.1521, 0.0612

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.4557, 0.2827, 0.1969



40.4557, 0.4077, 0.5145



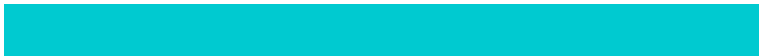
40.4557, 0.1521, 0.1840

Square

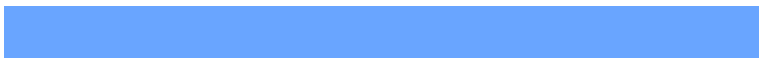
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.4557, 0.4077, 0.5145



40.4557, 0.1590, 0.3182



40.4557, 0.1989, 0.1763



40.4557, 0.4905, 0.3041

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.4557, 0.4077, 0.5145



40.4557, 0.2473, 0.4815



40.4557, 0.1989, 0.1763



40.4557, 0.3557, 0.2246

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.4577, 0.4077, 0.5145



76.7593, 0.3545, 0.4047



9.8453, 0.6351, 0.3340



16.9107, 0.3601, 0.4151



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4577, 0.4077, 0.5145



72.4172, 0.4075, 0.5146



33.8426, 0.3282, 0.5776



9.8771, 0.3253, 0.3516



28.5998, 0.4078, 0.5144



0.9085, 0.4112, 0.5117

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



3.3329, 0.1521, 0.0612



5.9352, 0.1516, 0.0609



6.0466, 0.2161, 0.0964



8.2564, 0.2995, 0.3055



2.3661, 0.1526, 0.0614



0.0834, 0.1632, 0.0673

Previews

White Background



This preview shows how the Yxy color 40.4557, 0.4077, 0.5145 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.4557, 0.4077, 0.5145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4557, 0.4077, 0.5145

Background



This preview shows how black text looks on a background with the Yxy color 40.4557, 0.4077, 0.5145.



This preview shows how white text looks on a background with the Yxy color 40.4557, 0.4077, 0.5145.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.4557, 0.4077, 0.5145

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

40.3764, 0.4661, 0.4571



Tritanopia

40.2304, 0.3145, 0.3116

Trichromacy



Original Color

40.4557, 0.4077, 0.5145

Protanomaly

40.3394, 0.4282, 0.4982

Deuteranomaly

40.0547, 0.4464, 0.4781

Tritanomaly

39.4547, 0.3659, 0.4092

Monochromacy



Original Color

40.4557, 0.4077, 0.5145

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8227, 0.3655, 0.4267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4557, 0.4077, 0.5145 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(167, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 179, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(167, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.4557, 0.4077, 0.5145 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 179, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(167, 179, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(167, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4557, 0.4077, 0.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 179, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(167,  
179, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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